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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/912,012	07/24/2001	S. Jeffrey Rosner	10003385-1	4634
7590	02/13/2004		EXAMINER	
			QUINONES, ISMAEL C	
			ART UNIT	PAPER NUMBER
			2686	3
DATE MAILED: 02/13/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

5

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/912,012	ROSNER, S. JEFFREY	
	<b>Examiner</b> Ismael Quiñones	<b>Art Unit</b> 2686	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on July 24, 2001.
- 2a) This action is FINAL.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-20 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____ .  |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date 2. | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
|  | 6) <input type="checkbox"/> Other: _____ .                                  |

## DETAILED ACTION

### ***Information Disclosure Statement***

1. The information disclosure statement (IDS) submitted on July 24, 2001 has been considered by the examiner and made of record in the application file.

### ***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. **Claims 1-4, 6-10, 12-17, and 19-20** are rejected under 35 U.S.C. 102(e) as being anticipated by Cook (U.S Pat. No. 6,650,888).

Regarding **claim 1**, Cook discloses a wireless communications system for communicating with a computer infrastructure of an organization comprising (A wireless communication system communicating with an enterprise/organization communication system; *col. 1, lines 24-30; Fig. 1; Fig. 9, item 900*): a portable unit including a user interface (A portable unit such as a wireless telephone comprising a user interface such as a display and keys/keypad buttons; *col. 8, lines 31-34; Fig. 10, items 1001 and 1004*); a computer infrastructure interface (The enterprise/organization

comprising a wireless communication interface; *col. 7, lines 36-44; Fig. 9, item 902*); a voice recognition unit associated with said computer infrastructure interface (Wherein the wireless communication interface is associated with a voice recognition unit or voice authentication system by means of transferring information to a transaction manager that subsequently is coupled to said voice authentication system; *col. 7, line 62-line 65; Fig. 9, item 921*), said voice recognition unit permitting a user of the portable unit to communicate with the computer infrastructure by voice communication (Wherein a speech sample is given by the user of wireless communication device and transferred to a voice authentication system; *col. 7, line 59-65*); and a wireless communications link for connecting said user interface and said computer infrastructure interface (Wherein a wireless communication device operated by a user communicates with a wireless interface over a wireless communication link; *col. 7, lines 42-46; Fig. 9, item 904*), said wireless communications link covering an area designated by the organization for permitting a user of the portable unit to access said computer infrastructure when the portable unit is within the designated area (A server controlling communications within the enterprise/organization infrastructure, such communication established by over a wireless link, wherein the server authorizes registration for a wireless communication device, when such device is detected within the enterprise/organization infrastructure; *col. 5, lines 1-24;Fig. 2*).

Regarding **claim 2**, and as applied to claim 1, Cook discloses The aforementioned wireless communications, wherein said user interface comprises a two-way voice interface (Wherein the wireless communication device further comprises features to

establish voice conversations in a wireless communication system, such feature integrated within the wireless communication device; *col. 1, line 33-34; col. 8, lines 33-34; Fig. 10, item 1003*) and wherein a voice recognition unit and a voice generation unit are associated with said computer infrastructure interface to permit two-way voice communication between said user and said computer infrastructure (Wherein the enterprise/organization provides wireless communications such as voice conversations or voice transfer within the enterprise such as public telephone communications. A server for controlling communications within the enterprise/organization infrastructure that provides a wireless communication device within the enterprise to access networks such as the PSTN or the organization itself over intranet sessions, wherein voice conversations could be established; *col. 1, lines 25-30 and lines 33-34; col. 4, lines 8-13 and lines 25-30*).

Regarding **claim 3**, and as applied to claim 1, Cook discloses the aforementioned wireless communications system, wherein said wireless communications link comprises a cellular communications system (A enterprise/organization infrastructure partially located within a public network cell comprising components that operate similar to those incorporated in a cellular communication system such as a transceiver that behaves similar to a conventional base station communicating over an air interface with a portable unit or wireless communication device in which such transceivers perform hand-offs when the portable unit moves from one transceiver to another within said infrastructure; and a server that controls communications within said infrastructure which equivalence

corresponds to a public control system such as a MTSO or mobile telephone switching office; *col. 3, line 43 – col. 4, line 7; Figs. 1-3*).

Regarding **claim 4**, and as applied to claim 3, Cook discloses the aforementioned wireless communications system, wherein said cellular communications system comprises a first transmit/receive unit in said portable unit (Wherein a portable unit such as a wireless telephone comprises a wireless interface that sends/transmits user speech sample for authentication; and receives transactions codes provided by the enterprise/organization infrastructure; *col. 8, lines 50-59; Fig. 10, item 1006*), a second transmit/receive unit associated with said computer infrastructure (Wherein the enterprise/organization computer infrastructure comprises transmit/receive units such as transceivers, and a wireless interface that interacts with a wireless communication device/portable unit, receiving portable unit user information and transferring transaction codes to said user; *col. 7, lines 57-63; cols. 8, lines 57-59; Fig. 5, item 424; Fig. 9, item 902*) and a cellular base station for handling transmission of signals between said first and second transmit/receive units (Wherein the enterprise communication system comprises transceivers that operate similar to a conventional base station; and a server that communicates with a public network that comprises conventional base station in which determinations are made for handling transmission of signals based on user authentication and position information; *col. 3, lines 47-54, col. 4, lines 34-50; col. 5, lines 1-24; Fig. 1, item 111 and items 121-123*).

Regarding **claim 6**, and as applied to claim 1, Cook discloses the aforementioned wireless communications system, wherein said organization comprises a university

(Wherein such organization/ enterprise is an entity such as a university; *col. 3, lines 43-47*), and wherein said designated area comprises a campus of the university (Where the designated area comprises business campuses and educational campuses; *col. 3, lines 43-47*).

Regarding **claim 7**, and as applied to claim 1, Cook discloses the aforementioned wireless communications system, wherein said organization comprises a company (A company such as an enterprise; *col. 3, lines 43-47*), and wherein said designated area comprises facilities of said company (Facilities such as government facilities; *col. 3, lines 43-47*).

Regarding **claim 8**, and as applied to claim 1, Cook discloses the aforementioned wireless communications system, wherein said system further includes an authentication capability for authenticating a user of said portable unit for access to secured facilities of said organization (Authentication such as voice authentication wherein a system comprises a transaction manager within the enterprise/organization coupled to a validation system, wherein the validation system comprises a voice authentication system and an account validation system; for the purpose of authenticating wireless phone users in a secure manner; *col. 2, lines 20-25; col. 7, lines 23-46; Fig. 9, item 930*).

Regarding **claim 9**, and as applied to claim 8, Cook discloses the aforementioned wireless communications system, wherein said authentication capability includes an authentication device in said portable unit (A memory unit to store a list of user account codes and control circuitry for instructing the user of the portable unit to formulate a voice authentication transaction further instructing the user to select one of the stored

account codes within the portable unit, subsequently transferring the voice transaction and account code to a validation system; *col. 8, lines 38-56; Fig. 10, items 1002 and 1005*).

Regarding **claim 10**, and as applied to claim 8, Cook discloses the aforementioned wireless communications system, wherein said authentication capability comprises a software-based voice recognition capability associated with said computer infrastructure (Wherein the control and logic instructions implemented in a validation system that use voice authentication are software program codes; *col. 8, line 64 – col. 9, line 9*).

Regarding **claim 12**, and as applied to claim 1, Cook discloses the aforementioned wireless communications, wherein said system includes a plurality of portable units to permit a plurality of users to access the computer infrastructure of the organization (A plurality of portable unit users arranged as data structures with the enterprise/organization communication system server; *col. 5, lines 25-48; Fig. 1, item 102; Fig. 3, item 324*).

Regarding **claim 13**, and as applied to claim 1, Cook discloses the aforementioned wireless communications system, wherein said system includes an Internet access capability (Wherein the enterprise communication system provides access to outside networks such as the Internet; *col. 1, lines 28-30; col. 4, lines 25-30*).

Regarding **claim 14**, and as applied to claim 1, Cook discloses the aforementioned wireless communications system, wherein said system includes at least one remote access node for creating at least one extended designated area of said designated area for permitting a user of the portable unit to access the computer infrastructure when the portable unit is within the at least one extended designated area (A remote server

controlling communications within the enterprise/organization infrastructure designated area, wherein the server authorizes registration for a wireless communication device, when such device is detected within the enterprise/organization infrastructure; *col. 5, lines 1-24; Fig. 2*).

Regarding **claim 15**, Cook discloses in combination, a computer infrastructure of an organization and a wireless communications system for enabling at least one individual to communicate with and to utilize features and capabilities of said computer infrastructure (An intranet session that provides features and services within an enterprise/organization, *col. 4, lines 8-18*), said wireless communications system comprising: a portable unit for each said at least one individual (Wherein the communication system comprises wireless communication device such as a portable unit, *col. 3, lines 25-27; Fig. 1, item 102; Fig. 10, item 1000*), each portable unit including a two-way voice interface; a computer infrastructure interface (); a voice recognition unit and a voice generation unit associated with said computer infrastructure interface (Wherein the enterprise/ computer organization infrastructure comprises a voice recognition unit or voice authentication system which transfer information to a transaction manager that subsequently is coupled to said voice authentication system, as well as comprising services involving two-way communications, therefore generating voice subsequently transmitted to a portable unit; ; *col. 1, lines 25-30 and lines 33-34; col. 4, lines 8-13 and lines 25-30, col. 7, line 62-line 65; Fig. 9, item 921*); and a wireless communications link for connecting the user interface of each portable unit and the computer infrastructure interface (Wherein a wireless communication device operated by

a user communicates with a wireless interface over a wireless communication link; *col. 7, lines 42-46; Fig. 9, item 904*), the wireless communications link covering an area designated by the organization for permitting each at least one individual to access the computer infrastructure by voice communication when the individual's respective portable unit is within the designated area (A server controlling communications within the enterprise/organization infrastructure, such communication established by over a wireless link, wherein the server authorizes registration for a wireless communication device, when such device is detected within the enterprise/organization infrastructure; *col. 5, lines 1-24;Fig. 2*).

Regarding **claim 16**, and as applied to claim 15, Cook discloses the aforementioned combination, wherein said wireless communications link comprises a cellular communications system (A enterprise/organization infrastructure partially located within a public network cell comprising components that operate similar to those incorporated in a cellular communication system such as a transceiver that behaves similar to a conventional base station communicating over an air interface with a portable unit or wireless communication device in which such transceivers perform hand-offs when the portable unit moves from one transceiver to another within said infrastructure; and a server that controls communications within said infrastructure which equivalence corresponds to a public control system such as a MTSO or mobile telephone switching office; *col. 3, line 43 – col. 4, line 7; Figs. 1-3*).

Regarding **claim 17**, and as applied to claim 16, Cook discloses the aforementioned combination, wherein said cellular communications system includes a

first transmit/receive unit in each said portable unit (Wherein a portable unit such as a wireless telephone comprises a wireless interface that sends/transmits user speech sample for authentication; and receives transactions codes provided by the enterprise/organization infrastructure; *col. 8, lines 50-59; Fig. 10, item 1006*), a second transmit/receive unit associated with said computer infrastructure (Wherein the enterprise/organization computer infrastructure comprises transmit/receive units such as transceivers, and a wireless interface that interacts with a wireless communication device/portable unit, receiving portable unit user information and transferring transaction codes to said user; *col. 7, lines 57-63; cols. 8, lines 57-59; Fig. 5, item 424; Fig. 9, item 902*), and a cellular base station for handling the transmission of signals between each said first transmit/receive units and said second transmit/receive unit (Wherein the enterprise communication system comprises transceivers that operate similar to a conventional base station; and a server that communicates with a public network that comprises conventional base station in which determinations are made for handling transmission of signals based on user authentication and position information; *col. 3, lines 47-54, col. 4, lines 34-50; col. 5, lines 1-24; Fig. 1, item 111 and items 121-123*).

Regarding **claim 19**, and as applied to claim 15, Cook discloses the aforementioned combination, wherein said wireless communications system further includes an authentication capability for authenticating access to secured facilities in said designated area (Authentication such as voice authentication wherein a system comprises a transaction manager within the enterprise/organization coupled to a validation system, wherein the validation system comprises a voice authentication system and an account

validation system; for the purpose of authenticating wireless phone users in a secure manner; *col. 2, lines 20-25; col. 7, lines 23-46; Fig. 9, item 930*).

Regarding **claim 20**, and as applied to claim 15, Cook discloses the aforementioned combination, wherein said features and capabilities include at least one of E-mail send and receive (Capabilities provided by the wireless communication system such as e-mail, and send and receive web sessions; *col. 1, lines 34-35*).

#### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

6. **Claim 5** is rejected under 35 U.S.C. 103(a) as being unpatentable over Cook (U.S Pat. No. 6,650,888) in view of Odenwalder (U.S Pat. No. 6,396,804).

Regarding **claim 5**, and as applied to claim 3, Cook discloses the aforementioned wireless communications system, wherein said wireless communications link comprises a cellular communications system. Cook fails to clearly specify wherein said cellular communications system operates at a bandwidth of less than 100 kbits/sec.

However in the same field of endeavor, Odenwalder discloses a wireless communications system comprising a wireless communications link, further comprising a cellular communication system, wherein said cellular communications system operates at a bandwidth of less than 100 kbits/sec (A wireless cellular telephone system transmitting data via a single channel, non-coherent, reverse link signal a less than 100 kbits/sec, specifically at a maximum data rate of 9.6 or 14.4 kbits/sec; *col. 2, lines 8-12 and lines 20-25*).

Therefore it would have been obvious to one with ordinary skill in the art at the time the invention was made to have Cook wireless communications system having a wireless link, further comprising a cellular communication system, operating at a rate less than 100 kbits/sec as taught by Odenwalder. For the purpose of transferring low bandwidth transmission data such as voice within the cellular communication system.

7. **Claims 11 and 18** are rejected under 35 U.S.C. 103(a) as being unpatentable over Cook (U.S Pat. No. 6,650,888) in view of Wickstead (U.S. P.G.-Pub. No. US 2002/0142734).

Regarding **claim 11**, and as applied to claim 1, Cook discloses the aforementioned wireless communications comprising a portable unit. Cook fails to clearly specify wherein said portable unit is configured to be worn by the user.

However in the same field of endeavor, Wickstead discloses portable unit designed to be comfortably worn in the user wrist (*See Page 1, Paragraphs 6 and 7*).

Therefore it would have been obvious to one with ordinary skill in the art at the time the invention was made to have Cook portable unit, configured to be worn by the user of the portable unit as taught by Wickstead. For the purpose of, providing comfort to a user when carrying a portable unit or wireless communication device.

Regarding **claim 18**, and as applied to claim 15, Cook in view of Wickstead disclose the aforementioned combination. In addition Wickstead discloses wherein said each said portable unit is configured to be worn by the user (*See Page 1, Paragraphs 6 and 7*).

### ***Conclusion***

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- a. Fujii (U.S. P.G.-Pub. No. 2002/0082002)
- b. Castrogiovanni et al. (U.S. P.G.-Pub. No. 2003/0211841)
- c. Ulvinen et al. (U.S. Pat. No. 6,393,305)
- d. Chang (U.S. P.G.-Pub. No. 2003/0040339)
- e. Griffith (U.S. Pat. No. 6,356,752)

9. Any response to this Office Action should be **faxed to (703) 872-9306 or mailed to:**

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Washington, D.C. 20231

**Hand-delivered** responses should be brought to

Crystal Park II  
2021 Crystal Drive  
Arlington, VA 22202  
Sixth Floor (Receptionist)

10. Any inquiry concerning this communication on earlier communications from the Examiner should be directed to Ismael Quiñones whose telephone number is (703) 305-8997. The Examiner can normally be reached on Monday-Friday from 8:00am to 5:00pm.

11. If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Marsha D. Banks-Harold can be reached on (703) 305-4379. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9301.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose number is (703) 305-4700 or call customer service at (703) 306-0377.

*Ismael Quiñones*

I.Q.

February 2, 2004

*Marsha D. Banks-Harold*  
MARSHA D. BANKS-HAROLD  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600